

3



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/067,484

DATE: 03/12/2002

TIME: 09:55:54

Input Set : A:\SEQLIST416272000200.TXT

Output Set: N:\CRF3\03122002\J067484.raw

4 <110> APPLICANT: Buchanan, Bob B.
 5 del Val, Gregorio
 6 Frick, Oscar L.
 8 <120> TITLE OF INVENTION: RAGWEED ALLERGENS
 11 <130> FILE REFERENCE: 416272000200
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/067,484
 C--> 13 <141> CURRENT FILING DATE: 2002-02-04
 13 <150> PRIOR APPLICATION NUMBER: US 60/266,686
 14 <151> PRIOR FILING DATE: 2001-02-05
 16 <160> NUMBER OF SEQ ID NOS: 11
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 14
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Ragweed
 25 <220> FEATURE:
 27 <221> NAME/KEY: VARIANT
 28 <222> LOCATION: 1,2
 29 <223> OTHER INFORMATION: Xaa = Leucine or Isoleucine
 31 <400> SEQUENCE: 1
 W--> 32 Xaa Xaa Ser Gly Ile Ser Asn Thr Val Tyr Ala Asn Pro Lys
 33 1 5 10
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 9
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Ragweed
 40 <220> FEATURE:
 42 <221> NAME/KEY: VARIANT
 43 <222> LOCATION: 6
 44 <223> OTHER INFORMATION: Xaa= Leucine or Isoleucine
 46 <400> SEQUENCE: 2
 W--> 47 Pro Thr Ser Phe Asn Xaa Ala Thr Lys
 48 1 5
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 9
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Ragweed
 55 <220> FEATURE:
 57 <221> NAME/KEY: VARIANT
 58 <222> LOCATION: 1
 59 <223> OTHER INFORMATION: Xaa= Leucine or Isoleucine
 61 <400> SEQUENCE: 3
 W--> 62 Xaa Tyr Gly Leu Val Gln Phe Asn Arg

ENTERED

RAW SEQUENCE LISTING

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63 1 5
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 7
67 <212> TYPE: PRT
68 <213> ORGANISM: Ragweed
70 <220> FEATURE:
72 <221> NAME/KEY: VARIANT
73 <222> LOCATION: 3
74 <223> OTHER INFORMATION: Xaa= Leucine or Isoleucine
76 <400> SEQUENCE: 4
W--> 77 Phe Tyr Xaa Phe Ser Thr Lys
78 1 5
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 10
82 <212> TYPE: PRT
83 <213> ORGANISM: Ragweed
85 <220> FEATURE:
87 <221> NAME/KEY: VARIANT
88 <222> LOCATION: 7,9
89 <223> OTHER INFORMATION: Xaa= Leucine or Isoleucine
91 <400> SEQUENCE: 5
W--> 92 Phe Tyr Ala Thr Glu Val Xaa Asp Xaa Asp
93 1 5 10
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 16
97 <212> TYPE: PRT
98 <213> ORGANISM: Ragweed
100 <400> SEQUENCE: 6
101 Leu Leu Asp Asn Leu His Gln Gln Thr Pro Pro Asp Gly Phe Gly Arg
102 1 5 10 15
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 13
106 <212> TYPE: PRT
107 <213> ORGANISM: Ragweed
109 <400> SEQUENCE: 7
110 Met Tyr Ala Thr Glu Val Leu Asp Leu Asp Gly Ser Lys
111 1 5 10
113 <210> SEQ ID NO: 8
114 <211> LENGTH: 14
115 <212> TYPE: PRT
116 <213> ORGANISM: Ragweed
118 <400> SEQUENCE: 8
119 Tyr Ser Asp Gly Asn Phe Phe Gly Ala Gly Leu Asp His Gln
120 1 5 10
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 6
124 <212> TYPE: PRT
125 <213> ORGANISM: Ragweed
127 <400> SEQUENCE: 9

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/067,484

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Input Set : A:\SEQLIST416272000200.TXT

Output Set: N:\CRF3\03122002\J067484.raw

128 Leu Leu Asn Asn Met Arg
129 1 5
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 8
133 <212> TYPE: PRT
134 <213> ORGANISM: Ragweed
136 <400> SEQUENCE: 10
137 Val Glu Ala Ser Ala Glu Leu Arg
138 1 5
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 9
142 <212> TYPE: PRT
143 <213> ORGANISM: Ragweed
145 <400> SEQUENCE: 11
146 Leu Leu Ser Gly Leu Ser Asp Thr Val
147 1 5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/067,484

DATE: 03/12/2002
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Input Set : A:\SEQLIST416272000200.TXT
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2
Seq#:2; Xaa Pos. 6
Seq#:3; Xaa Pos. 1
Seq#:4; Xaa Pos. 3
Seq#:5; Xaa Pos. 7,9

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/067,484

DATE: 03/12/2002

TIME: 09:55:55

Input Set : A:\SEQLIST416272000200.TXT

Output Set: N:\CRF3\03122002\J067484.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0